



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY

Water Quality Board

Keith W. Welch
Chairman

Lynn F. Pett
Vice Chairman

R. Rex Ausburn, P.E.

David S. Bowles, Ph.D., P.E.

Nan Bunker

Leonard Ferguson

Dianne R. Nielson, Ph.D.

Joe C. Nielson

K.C. Shaw, P.E.

J. Ann Wechsler

Leroy H. Wullstein, Ph.D.

Don A. Ostler, P.E.
Executive Secretary

Michael O. Leavitt
Governor

Dianne R. Nielson, Ph.D.
Executive Director

Don A. Ostler, P.E.
Director

288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870
(801) 538-6146 Voice
(801) 538-6016 Fax
(801) 536-4414 T.D.D.

December 27, 1996

Dennis Kerstiens, Manager
Barneys Canyon Mining Company
PO Box 311
Brigham Canyon UT 84006-0311

Dear Mr. Kerstiens:

Subject: Revised Mining Plan, East Barneys Pit

We have reviewed your East Barneys Canyon Mining and reclamation Plan dated October 7, 1996. We have several questions regarding the sulfide and acid-base potential described on page 70. We need several questions answered before we can make recommendations or draw any conclusions.

The acid base potential is described as +12.5 T/1000T, which indicates the waste rock will generally be non acid forming, but this value is not sufficiently high to preclude a waste rock management plan. Most large pits will contain some pyrite, even those with the above value. An example is your Barneys Canyon and South BC South pits, which have a very low sulfide content, but pyrite is visible in some of the ore and can be sorted if necessary before processing. Your mine plan does not describe the sulfide mineralogy, location and its form in the proposed East Barneys Pit, or what you will do if pockets are found. We would like this information for our review, and only if necessary would we have Barneys Canyon Mining Company prepare a waste Rock Management Plan for this pit.

Should you wish further information or have questions, please call me at (801)538-6084.

Sincerely,

Mack G. Croft, Environmental Scientist
Ground Water Protection Section

MGC:wfm/mhf

cc: DOGM
Salt Lake City/County Health Dept.

P:\WQ\PERMITS\MCROFT\WP\REV\MINFL.LTR
FILE:BARNEYS CANYON PIT

